

## Introduction to Nucleonica: Core Applications and Tools

Training course for WAK staff with “Hands on” exercises, 2-3 July 2012, *To be held at the KIT / HDB*

### 2 July – Core Nucleonica Applications

#### Index

9:00	<b>Training Course / Nucleonica Overview</b> J. Magill, Nucleonica		<b>1</b>
9:20	<b>Nuclide Mixtures / Mass Activity Converter</b> J. Magill	Exercises Z. Soti, R. Dreher	<b>2</b>
10:30 – Coffee			
10:50	<b>Nuclear Data</b> in Nucleonica: Nuclide Explorer, UNC, Karlsruhe Nuclide Chart, Nuclide Datasheets, Nuclear Data Retrieval Z. Soti, ITU	Exercises Z. Soti, R. Dreher	<b>3</b>
12:00 – Break			
13:00	<b>Decay Engine</b> J. Magill	Exercises Z. Soti, R. Dreher	<b>4</b>
14:30 – Coffee			
14:50	<b>Gamma Dosimetry &amp; Shielding (D&amp;S)</b> J. Magill	Exercises Z. Soti, R. Dreher	<b>5</b>
16:00	<b>Wiki, Forum, Blog</b> Z. Soti		<b>6</b>
16:20	<b>Virtual Cloud Chamber</b> J. Magill	Exercises Z. Soti, R. Dreher	<b>7</b>
17:00 – End of Session			

### 3 July – Advanced Nucleonica Applications

9:00	<b>webKORIGEN: Fuel Cycle Studies</b> J. Zsigrai	Exercises	<b>8</b>
10:00 – Coffee			
10:30	<b>Gamma Spectrum Generator and Gamma Libraries</b> J. Zsigrai	Exercises	<b>9</b>
12:00 – Break			
13:00	<b>Working with Reference Materials in Nucleonica</b> Z. Soti	Exercises Z. Soti, R. Dreher	<b>10</b>
14:30	Feedback, Questionnaire, Certificate		
15:00 – End of Training Course			
Supplementary material (additional exercises and case studies)			<b>11</b>